Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	01/02/2019 10:52 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/02/2019 10:47 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	72756	Expiration Date:	10/31/2019
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123400	-2	1.61	123457	1.62
Blue	F	SSC	125000	123110	-2	3.20	123939	3.13
Blue	E	FITC	16694	16152	-4	3.44	376	21.35
Blue	D	PE	32792	31745	-4	2.66	701	15.91
Blue	B	PerCP-Cy5-5	44451	43536	-3	4.39	1195	22.78
Blue	A	PE-Cy7	33645	33333	-1	6.95	605	48.31
Red	C	APC	47008	45791	-3	2.90	1771	13.58
Red	A	APC-Cy7	32298	31563	-3	2.74	795	13.87
Violet	B	V450	8961	8521	-5	4.42	472	13.94
Violet	A	V500	32726	31166	-5	4.14	747	11.00

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	20117	3.41	605	-8	N/A	N/A	Pass
Blue	F	SSC	55663	2.53	572	4	N/A	N/A	Pass
Blue	E	FITC	63	70.60	561	-2	0.0164	134	Pass
Blue	D	PE	140	55.80	565	-1	0.1374	283	Pass
Blue	B	PerCP-Cy5-5	224	54.73	670	-1	0.0074	43	Pass
Blue	A	PE-Cy7	118	120.11	726	0	0.0088	25	Pass
Red	C	APC	406	28.94	612	-1	0.0184	116	Pass
Red	A	APC-Cy7	196	31.31	584	-1	0.0047	1036	Pass
Violet	B	V450	69	68.76	485	-1	0.0524	2612	Pass
Violet	A	V500	106	36.37	495	-1	0.0202	740	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.34	-32.05	1.01
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.51
Red	15.90	13.60 - 20.40	N/A	N/A	29.47	29.70	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.91

Threshold

Threshold (FSC): 11790

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments